SHEET |REV|ECO DATE DESCRIPTION 1. THIS DRAWING DEFINES THE OVERALL GEOMETRY AND PERFORMANCE SPECIFICATIONS WAS 3 SHTS,, CORRECTED CALL-OUTS N/C 12/01/05 1 OF AIR CONDITIONER EVAPORATORS APPLIED FOR AIRCRAFT USE AND CONSTITUTES 2 07/12/06 ADDED ES75202-3, -4, -5, -6 MODELS THE ACCEPTANCE CRITERIA THEREOF. CONFORMANCE OF HARDWARE TO THESE ES75202-1, -2 OBSOLETE REQUIREMENTS IS ACCEPTABLE IN LIEU OF VENDER DOCUMENTATION. 2. ACCEPTED SOURCE: ENVIRO SYSTEMS INC. 4000 HIGHWAY 99 NORTH SEMINOLE, DK, 74868 (405) - 382 - 0731✓3 MFR'R P/N 1134200-XXX SUPERCEDES P/N 1250200-XX ø2.95 (TO CENTER OF EXPANSION VALVE INLET) < 1,80 ► (TO FLARE) EXPANSION VALVE - 7.25 (P/N 1134218) INLET 3.62 -37° MALE FLARE (Ø0,25) 0.45 7/16-20UNF-2A THD (TYP.) 6.65 COIL OUTLET AN818-8D NUT 37° TUBE FLARE 2.81 (Ø0.50 TUBE) 1.87 3/4-16UNF THD MOUNTING SCREWS 15.62 10-32 UNF THREAD 3.75 (TYP. 4 PLCS) -11 MOTOR (-1 CONFIG.) 7.83(MAX)  $\langle 0 \rangle$ LEADS AWG 14  $\bigcirc$ ➤ DRANGE 0.65 TYP. (HI BLOWER) WATER DEFLECTOR--BLACK 0.50 MAX --6.15 (GROUND) — 3,20 — RED 9.10(MAX) (LO BLOWER) - 5,20 - (TO END OF FLARE) CONDENSATE DRAIN 8.55(MAX) 0.375 X 1.0 LONG EVAPORATOR ASSEMBLY -4 (Mfr'S P/N1134200-35) CONFIGURATION SHOWN(MOTOR ROTATION CCW VIEWED FROM SHAFT ENC) DESIGN SPECIFICATIONS: -3 (Mfr'S P/N1134200-34) CONFIGURATION OPPOSITE(MOTOR ROTATION CW VIEWED FROM SHAFT ENC) CAPACITY: 7000 BTUH(MIN) -CONFIDENTIAL INFORMATION-AIR FLOW: 200 CFM @ 1.5 IN, WATER THE INFORMATION AND DATA CONTAINED HEREIN REFRIGERANT: HFC-134A DIMENSIONS APPLICABLE TO ES75202-3, -4 UNITS IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE: POWER: 24-30 VDC, 196 WATTS MAX. AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED WEIGHT: 7.3 LBS FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR INLET PROOF PRESSURE = 600 PSIG WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC. MAXIMUM OPERATING PRESSURE = 400 PSIG Paravion<sup>®</sup> TITLE EXPANSION VALVE BURST PRESSURE = 2000 PSIG NOTE: THESE UNITS USED IN AE817(KAZAN) INST'N Technology EVAPORATOR MFR'R MOTOR PTI EVAPORATOR MFR'R EVAPORATOR PTI MOTOR EMI/RFI **ASSEMBLY** DIMENSIONS IN INCHES DRAWN APRVD. CHK'D P/N FII TFR P/N P/N P/NDATE ES75200-11 ES75202-1 1134200-12(DBSDLETE TOLERANCES EXCEPT BYBYBY1134200-15(DBSDLETE ES75202-2 ES75200-12 WHERE NOTED: REB 11/17/04 ES75202-3 1134200-34  $.X = \pm .1$ **PROTO** ES75202-4 1134200-35  $.XX = \pm .05$ DO NOT SCALE DRAWING ES75202-5 1134200-30(DIGITAL)  $.XXX = \pm .010$ (C) 2004 PARAVION TECH., INC. ES75202-6 1134200-32(DIGITAL) N/C

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RELEASE DATE 2023.03.20 - REF ECR 492